

Converting Colors

$Y_{xy}(46.6310, 0.3205, 0.3449)$

Have a look what the booklet for
Yxy(46.6310, 0.3205, 0.3449)
contains.

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Color

Yxy(46.6310, 0.3205, 0.3449)

Conversions

Conversions Part 1

Format	Color
Hex	B5B7AB
RGB	181, 183, 171
RGB Percent	71%, 72%, 67%
CMY	0.2904, 0.2823, 0.3295
CMYK	0.01, 0.00, 0.07, 0.28
HSL	70°, 8%, 69%
HSV	70°, 7%, 72%
XYZ	43.3321, 46.6310, 45.2384
YIQ	181.0340, 2.6600, -4.1560

Conversions

Conversions Part 2

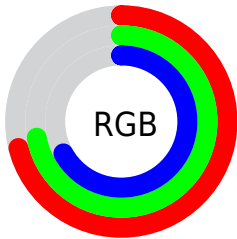
Format	Color
RYB	171, 183, 173
Decimal	11909035
CIELab	73.95, -2.91, 5.85
CIELCh	74, 6.536, 116.406
Yxy	46.6310, 0.3205, 0.3449
Android (android.graphics.Color)	4290099115 (0xFFB5B7AB)
YUV	181.0340, -4.9468, -0.0298
Hunter-Lab	68.2869, -6.2332, 8.5226

Details

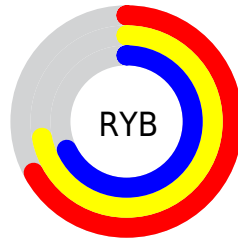
The Yxy color **46.6310, 0.3205, 0.3449** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.4306, 0.3046, 0.3128**, and the grayscale version is **46.2516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2285, 0.3194, 0.3423**, and **21.8864, 0.3223, 0.3490** is the 20% darker color. If you saturate the color by 10%, you get **45.6086, 0.3326, 0.3701**, and if you desaturate by 10%, it is **47.7626, 0.3087, 0.3210**.

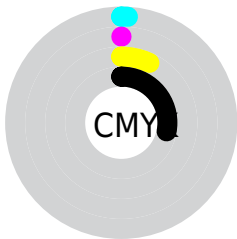
Distribution



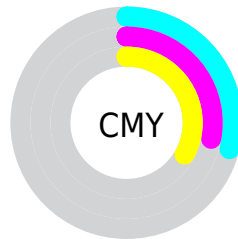
- Red (71%)
- Green (72%)
- Blue (67%)



- Red (67%)
- Yellow (72%)
- Blue (68%)



- Cyan (1%)
- Magenta (0%)
- Yellow (7%)
- Black (28%)



- Cyan (29%)
- Magenta (28%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6310, 0.3205, 0.3449 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 46.6310, 0.3205, 0.3449 by changing the saturation by 10% instead.

■ 46.6310, 0.3205,
0.3449

■ 46.6310, 0.3205,
0.3449

373.3397, 0.3166,
0.3369

■ 32.7440, 0.3215,
0.3469

■ 85.1626, 0.3191,
0.3420

■ 21.9304, 0.3227,
0.3495

110.5760, 0.3186,
0.3409

■ 13.8058, 0.3243,
0.3530

140.6003, 0.3181,
0.3400

■ 7.9857, 0.3266,
0.3579

175.6199, 0.3177,
0.3392

■ 4.0858, 0.3299,
0.3653

216.0193, 0.3174,
0.3385

■ 1.7217, 0.3354,
0.3778

262.1828, 0.3171,

■ 0.4376, 0.4059,

0.3379

0.5149

314.4948, 0.3169,
0.3374

0.0000, 0.0000,
0.0000

46.6310, 0.3205,
0.3449

46.6310, 0.3205,
0.3449

45.6086, 0.3326,
0.3701

47.7626, 0.3087,
0.3210

44.6854, 0.3446,
0.3960

49.0010, 0.2975,
0.2986

43.8590, 0.3561,
0.4220

50.3520, 0.2869,
0.2779

43.1248, 0.3667,
0.4471

51.8189, 0.2770,
0.2590

42.4780, 0.3758,
0.4703

52.9126, 0.2724,
0.2489

■ 41.9128, 0.3830,
0.4906

■ 53.3385, 0.2746,
0.2494

■ 41.4232, 0.3877,
0.5070

■ 53.7733, 0.2769,
0.2499

■ 41.0019, 0.3899,
0.5191

■ 54.2170, 0.2791,
0.2504

■ 40.6392, 0.3897,
0.5268

■ 54.6696, 0.2814,
0.2509

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.6310, 0.3276, 0.3436



46.6310, 0.3205, 0.3449



46.6310, 0.3114, 0.3418

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.6310, 0.3205, 0.3449



46.6310, 0.2951, 0.3193



46.6310, 0.3227, 0.3229

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46.6310, 0.3205, 0.3449



41.4306, 0.3046, 0.3128

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.6310, 0.3138, 0.3167



46.6310, 0.3205, 0.3449



46.6310, 0.2980, 0.3145

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.6310, 0.3205, 0.3449



46.6310, 0.2968, 0.3269



46.6310, 0.3048, 0.3136



46.6310, 0.3289, 0.3308

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.6310, 0.3205, 0.3449



46.6310, 0.3054, 0.3377



46.6310, 0.3048, 0.3136



46.6310, 0.3199, 0.3206

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46.6330, 0.3205, 0.3449



84.3955, 0.3151, 0.3339



42.8938, 0.3234, 0.3317



18.6451, 0.3150, 0.3336



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.6330, 0.3205, 0.3449



83.2028, 0.3224, 0.3488



45.9279, 0.3154, 0.3451



10.4236, 0.3238, 0.3518



28.2887, 0.3898, 0.5287



1.0180, 0.3979, 0.5223

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



41.4306, 0.3046, 0.3128



71.7971, 0.3026, 0.3087



42.1257, 0.3099, 0.3130



8.7914, 0.3010, 0.3056



2.6128, 0.1584, 0.0646



0.1150, 0.1808, 0.0770

Previews

White Background



This preview shows how the Yxy color 46.6310, 0.3205, 0.3449 looks on a white background.

Color Contrast Check

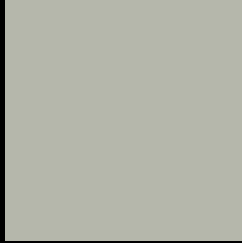
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 46.6310, 0.3205, 0.3449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

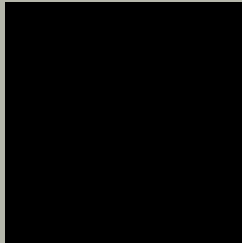
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

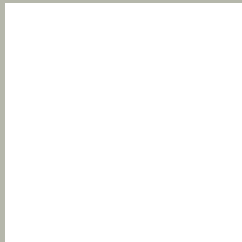
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.6310, 0.3205, 0.3449

Background



This preview shows how black text looks on a background with the Yxy color 46.6310, 0.3205, 0.3449.



This preview shows how white text looks on a background with the Yxy color 46.6310, 0.3205, 0.3449.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

46.6310, 0.3205, 0.3449

Protanopia

46.6414, 0.3277, 0.3433

Deuteranopia

46.3350, 0.3405, 0.3328



Tritanopia

46.7279, 0.3051, 0.3111

Trichromacy



Original Color

46.6310, 0.3205, 0.3449

Protanomaly

46.6725, 0.3249, 0.3447

Deuteranomaly

46.4214, 0.3327, 0.3367

Tritanomaly

46.6602, 0.3105, 0.3225

Monochromacy



Original Color

46.6310, 0.3205, 0.3449

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.4540, 0.3158, 0.3356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6310, 0.3205, 0.3449 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(181, 183, 171)` looks like.

```
.text, #text, p{  
    color:rgb(181, 183, 171)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(181, 183, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 183, 171) }
```

Border

The CSS property to change the border of an element to Yxy 46.6310, 0.3205, 0.3449 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 183, 171) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(181, 183, 171) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(181, 183, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 183, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 183, 171);  
box-shadow:4px 4px 4px 4px rgb(181, 183,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6310, 0.3205, 0.3449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 183, 171) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(181,  
183, 171) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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